RoomMatch™ array module loudspeakers

Engineered for the best possible tonal balance, scalability and arrayability.

Best possible tonal balance and breakthrough scalability.

The Bose® RoomMatch™ array module loudspeakers are engineered to deliver the best possible tonal balance regardless of system configuration or room characteristics.

Each module uses RoomMatch waveguide technology to direct sound more precisely and reduce unwanted reflections. The new EMB2 extended mid-band high frequency compression driver features a titanium diaphragm and a patented bridged phase plug design. This new design reduces the resonant modes, so there is less distortion without the use of complex signal processing. It also provides improved vocal clarity and intelligibility.

Multiple RoomMatch array modules increase the SPL without impacting the overall tonal balance.

Progressive Directivity Array. Available in 15 different coverage patterns.

Five vertical and four horizontal waveguide patterns allow for even coverage across virtually any listening area.

With the RoomMatch loudspeaker, you simply choose from 15 different coverage patterns and assemble them to form a Progressive Directivity Array – a new category of curvilinear array from Bose – so it delivers the coverage you need while behaving as a single loudspeaker. The result is the best tonal balance for nearly any room configuration.

Continuous-Arc Diffraction Slot. A truly seamless continuous source.

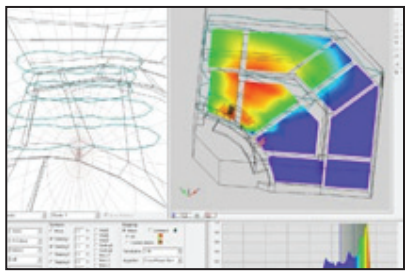
The loudspeaker's design includes a Continuous-Arc Diffraction Slot manifold. Available only from Bose, this advancement merges the acoustic output of six separate EMB2 drivers into a single opening. This enables good vertical control while also giving you the ability to scale the SPL of multiple loudspeakers independent of coverage requirements and without creating phase cancellations between modules.

RoomMatch™ RMS215 subwoofer module loudspeaker

The RoomMatch™ RMS215 subwoofer array module extends the response of RoomMatch arrays down to 40 Hz, with dual Bose 15-inch high-excursion woofers and a proprietary port design that minimizes distortion and improves perceived transient impact. The durable Baltic-Birch plywood enclosure with 2-part polyurethane coating allows reliable ground-stack applications. Optional rigging accessories allow the RMS215 subwoofer to be integrated with other RoomMatch modules in suspended arrays, including cardioid bass configurations.

Modeler® RoomMatch array design tool

Bose® Modeler® sound system software is an acoustic design and analysis program for sound system designers or acoustical consultants. The recent release of V. 6.7 features the RoomMatch array design tool, which allows you to easily create a complete RoomMatch loudspeaker array using an interactive array design tool. View coverage maps, array aiming and cluster construction side by side, as coverage maps update in real time when array changes are made. The Modeler software manages mechanical configuration and device spacing, allowing you to focus on the system design. Key performance metrics and an automatic array creation function are included.



ControlSpace® Designer™ software 3.0 RoomMatch processing support

Bose ControlSpace® Designer™ software is a graphical user interface tool for the design configuration and control of systems consisting of ESP-88/00, PowerMatch™ configurable professional amplifiers and Bose control centers. ControlSpace Designer also configures the power output of PowerMatch amplifiers. Three new signal processing functions are included in the release of ControlSpace Designer 3.0: RoomMatch Array EQ, Loudspeaker PEQ and a new Peak/RMS limiter. Each of these functions provides signal processing for the RoomMatch loudspeakers in large systems that only employ the engineered sound processor.

PowerMatch™ configurable professional power amplifier

The Bose PowerMatch™ PM8500 is a configurable professional power amplifier delivering concert sound quality for fixed-installation sound reinforcement systems. Building on the ruggedness proven by 20 years experience building Class D power amplifiers for the automotive market, the PM8500 adds numerous new Bose patented technologies to simultaneously provide class-leading power, efficiency, sound quality and reliability. The PM8500N adds Ethernet connectivity for network control and monitoring of multiple "N" version amplifiers using ControlSpace Designer. RoomMatch array modules perform best when paired with PowerMatch amplifiers; however, these products are versatile and are suitable for nearly any fixed-installation sound system application.

For more information:

pro.Bose.com

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Better sound through research

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